IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Voois *et al.*	Examiner:	Shingles, Kristie D.
Serial No.:	09/597,704	Group Art Unit:	2141
Filed:	June 16, 2000	Docket No.:	8X8S.249PA
Title:	COMMUNICATIONS CONTROLLER AND METHOD THEREFOR		

INVENTOR DECLARATION (UNDER 37 C.F.R. §1.131)

I hereby state and declare that I, Paul Voois, am an inventor of the subject matter described and claimed and for which a U.S. Patent is sought on the invention entitled: COMMUNICATIONS CONTROLLER AND METHOD THEREFOR, having U.S. Patent Application Serial Number 09/597,704 (Docket No. 8X8S.249PA), filed on June 16, 2000.
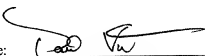
I, Paul Voois, further state that:

1. The invention claimed in the above-referenced application was conceived and reduced to practice before August 24, 1999. Attached to this Declaration are copies of portions of a document entitled "IntraSwitch" (labeled for this submission as Exhibit A), which indicate that the claimed invention was reduced to practice before August 24, 1999. For example, page 1 of Exhibit A states that the IntraSwitch "document describes the results from the Cooper Interaction Design's Synthesis of Form design phase, per the contract dated" prior to August 24, 1999. Also attached to this Declaration are copies of portions of a document entitled "8x8's IP Telephony Products" (labeled for this submission as Exhibit B), which is dated (date also being redacted) prior to August 24, 1999 and which demonstrate the reduction to practice of the claimed invention.

2. Regarding the independent claims (*i.e.,* claims 1, 15 and 20), page 10 of Exhibit B shows an IntraSwitch PBX (*i.e.,* a control center) that is communicatively coupled to a PC, an IP phone, a video phone, etc. (*i.e.,* a plurality of IP telephony devices). The PC has a display and a user interface that allows a user to configure the IntraSwitch PBX and the other IP telephony devices. Per pages 17 and 18 of Exhibit B, the system provides for user and administration configuration (*i.e.,* control and configuration of the control center and the plurality

of IP telephony devices), and further provides various types of user control over telephony communications. As discussed at page 14 of Exhibit B, IntraSwitch is implemented using OOP, including Java applets.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: May ____, 2007   Signature: _____
                                                     Paul Voois

Exhibit A

COOPER (INTERACTION DESIGN

IntraSwitch

Synthesis of Form

COOPER INTERACTION DESIGN

INTRODUCTION

This document describes the results from Cooper Interaction Design's Synthesis of Form design phase, per the contract dated [ ].

This document provides detailed descriptions of interactions, screen layouts, and scenarios for the three user interfaces described in the Approach phase of this project. Typically, Cooper spends at least four weeks per interface to complete a Synthesis of Form. To accommodate 8x8's time schedule, and because the Approach interfaces were more detailed than usual, Cooper did a Synthesis of Form for all three interfaces in 40 working days. The Cooper team and 8x8 agreed on how best to divide the design effort for each interface, as described below.

Specifically, this document contains the following information:

- A description of and scenarios for Cindy's two standard phone user interfaces: the Call Announcer and the Communications Center. Per 8x8's request, Cindy's interfaces were given a full Synthesis of Form treatment.

- A description of Shirley's receptionist interface (called the Switchboard). Per 8x8's request and because her interface was very detailed in the Approach, Shirley's interface was given a shorter amount of design time than the other two interfaces. Specifically, Cooper designed a multiple-receptionist scenario, designed Shirley's Preferences drawer, and made some general refinements.

- A description of and scenarios for Ken's phone system administration interface. Per 8x8's request, the Synthesis of Form for Ken will provide a solid framework for all of Ken's interac-

tions, but may not provide completely accurate content for all areas, since we have limited access to phone system administration experts.

The Synthesis of Form phase not only smooths out rough edges in the Approach design. It provides solutions for specific scenarios and features identified by 8x8. Some of these are:

- How the receptionist interface works with more than one receptionist answering the same lines simultaneously

- How to activate telecommuting features

- How the receptionist can send a passive text message, associated with a call, to an employee who is currently talking on the phone with someone else

Related Documentation

- *8x8 IntraSwitch Investigation* document

- *8x8 IntraSwitch Investigation* PowerPoint slide presentation

- *8x8 IntraSwitch Approach* document

- *8x8 IntraSwitch Approach* PowerPoint slide presentation

- Cindy and Shirley SOF PowerPoint slide presentation

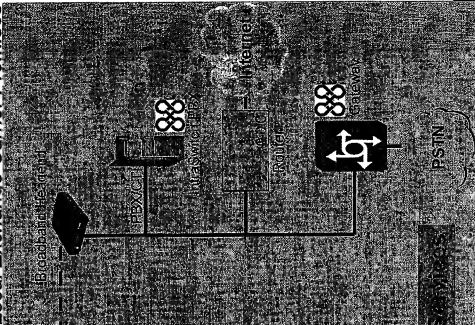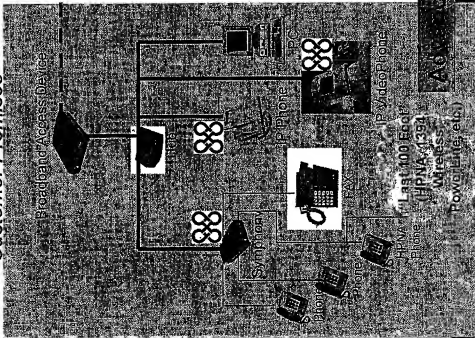- Ken SOF PowerPoint slide presentation

Exhibit B
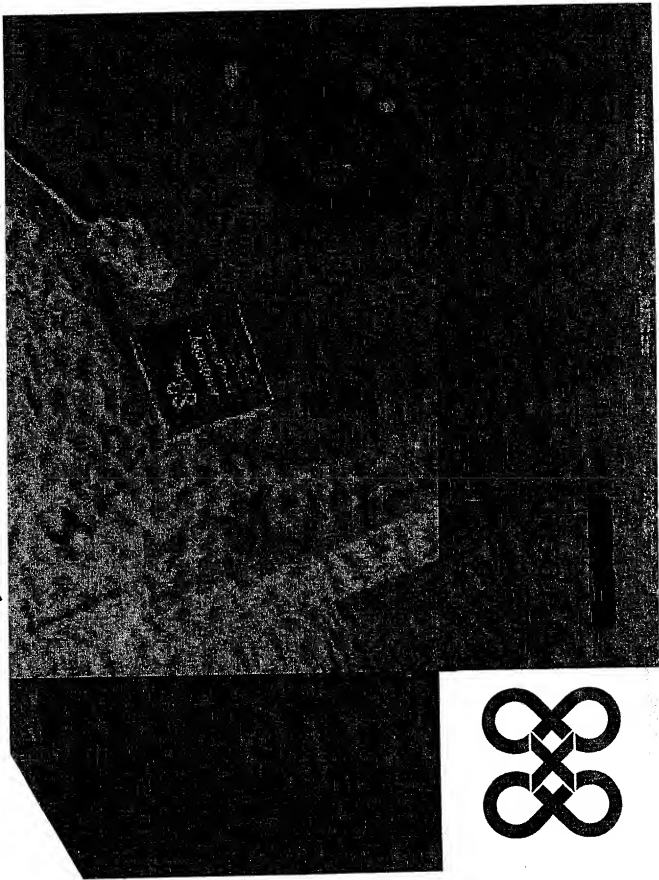
Exhibit B

Solutions-Oriented Vertical Integration

Customer Premises

Local Exchange Carrier Premises

8x8 Confidential
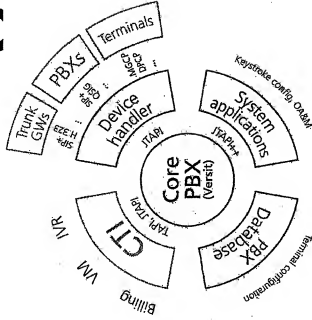
Exhibit B

IntraSwitch Implementation

- **Java**
  - Object oriented
  - Abstract
  - Robust, secure
  - Platform independent
- **Scalable, Distributed**
  - Multiple users per PBX
  - Multiple PBXs per server
    - 100 users per PBX
    - 100 PBX's per Server
- **Media independence**
  - Audio
  - Streaming video
  - Video conferencing
  - Java applets

- **CTI API's: TAPI, JTAPI**
- **Multi protocol**
  - H.323, MGCP, others
- **Web based management**

Trunk GWs | PBXS | Terminals

Device handler

H.323 | SIP | Q.Sig | MGCP | DP3 | ...

Core PBX (Versit)

System applications — Keystroke config OA&M

JTAPI+

PBX Database — Terminal configuration

CTI — TAPI, JTAPI

IVR | VM | Billing

Exhibit B

Lab Testing: Features

Call Control
Alternate call
Attach data to call
Call waiting
Caller ID presentation
Clear call/participant
Consultation call
Deflect alerting call
Do not disturb
Hold/Retrieve
Multi stage dialing
Reconnect
Speed dial
Transfer

Configuration
Admin configuration (web)
User configuration (web)
Forward (on busy, no answer, …)

Security
User login/password

CTI Applications
e-phone on the web
JTAPI interface

Exhibit B

Onsite Testing Features

∞

Call Control
Auto answer
Call prompting
Click to call from web
Conference
Dial last caller
Group pickup
Intrude
Join
Multiple line appearances
Park call
Pickup
Predictive calling
Ring groups

Phone Features
Message waiting indication
Station login/logout

Configuration
Direct inward dial
One number access
Virtual extensions

Security
Outside call blocking
Toll restrictions

CTI Applications
e-phone and switchboard